

[illegible]

The present invention enables to obtain both of a cycle characteristic and a high load characteristic. The present invention discloses a positive electrode active material containing lithium composite manganese oxide having a spinel structure for a non-aqueous electrolyte cell and a non-aqueous electrolyte cell using this material. The lithium composite manganese oxide having spinel structure has its primary particle diameter not less than 0.05 μm and not greater than 10 μm , forming an aggregate, and a specific surface measured by the BET method in a range not less than 0.2 m^2/g and not greater than 2 m^2/g .